


| INFORMATION DISCLOSURE CITATION IN AN APPLICATION (PTO-1449) | | | | ATTY. DOCKET NO. 43876-157 | | SERIAL NO. C ntinuation of Serial No. 10/646,787 | |
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| | | | | APPLICANT Craig HANSEN et al | | | |
| | | | | FILING DATE Jan. 15, 2004 | | GROUP To be assigned | |
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APPLICANT
Craig HANSEN, et al.

(PTO-1449)

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SHEET 1 OF 11

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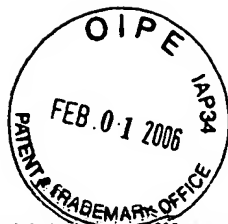
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PTO/SB/08a 07-05


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| Substitute for form 1449A/PTO | | | Complete if Known | | |
| INFORMATION DISCLOSURE STATEMENT BY APPLICANT (use as many sheets as necessary) | | | Application Number | 10/757 524 | |
| | | | Filing Date | January 15, 2004 | |
| | | | First Named Inventor | Craig C. HANSEN, et al. | |
| | | | Group Art Unit | 2183 | |
| | | | Examiner Name | CHAN, EDDIE P | |
| Sheet | 1 | of | 10 | Attorney Docket Number | 43876-157 |

| U.S. PATENT DOCUMENTS | | | | | |
|-----------------------|-----------------------|--|--------------------------------|--|---|
| Examiner Initials* | Cite No. ¹ | Document Number | Publication Date MM-DD-YYYY | Name of Patentee or Applicant of Cited Document | Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear |
| | | Number-Kind Code ² (if known) | | | |
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| | | Country Code ³ Number ⁴ Kind Code ⁵ (if known) | | | | |
| EC | AT | WO 93/11500 | | | | |

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| Examiner Signature |  | Date Considered | 8/18/06 |
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| | | | | First Named Inventor | Craig C. HANSEN, et al. |
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| Examiner Name | CHAN, EDDIE P | | | | |
| Attorney Docket Number | 43876-157 | | | | |
| Sheet | 2 | of | 10 | | |

| OTHER PRIOR ART -- NON PATENT LITERATURE DOCUMENTS | | | |
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| Examiner Initials* | Cite No. ¹ | Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate) title of the item (book, magazine, journal, serial, symposium, catalog, etc), date, page(s), volume-issued number(s), publisher, city and/or country where published. | T ² |
| ES | AU | IEEE Draft Standard for "Scalable Coherent Interface-Low-Voltage Differential Signal Specifications and Packet Encoding", IEEE Standards Department, P1596.3/D0.15 (Mar. 1992) (50006DOC018530 - 563) | |
| | AV | IEEE Draft Standard for "High-Bandwidth Memory Interface Based on SCI Signaling Technology (RamLink)," IEEE Standards Department, Draft 1.25 IEEE P1596.4-199X (May 1995) (50006DOC018413 - 529) | |
| | AW | Gerry Kane et al., "MIPS RISC Architecture," Prentice Hall (1995) (50006DOC018576 - 848) | |
| | AX | IBM, "The PowerPC Architecture: A Specification For A New Family of RISC Processors," 2nd Ed., Morgan Kaufmann Publishers, Inc., (1994) (50006DOC019229 - 767) | |
| | AY | Hewlett-Packard Co., "PA-RISC 1.1 Architecture and Instruction Set," Manual Part No. 09740-90039, (1990) (50006DOC018849 - 19228) | |
| | AZ | MIPS Computer Systems, Inc., "MIPS R4000 User's Manual," Mfg. Part No. M8-00040, (1990) (50006DOC017026 - 621) | |
| | BA | i860™ Microprocessor Architecture, Neal Margulis, Foreword by Les Kohn | |
| | BB | Gove, "The MVP: A Highly-Integrated Video Compression Chip," IEEE Data Compression Conference, pp. 215-24 (March 1994) (51056DOC000891 - 900) | |
| | BC | Gove, "The Multimedia Video Processor (MVP): A Chip Architecture for Advanced DSP Applications," IEEE DSP Workshop, pp. 27-30 (October 2-5, 1994) (51056DOC015452 - 455) | |
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| | BE | Lee et al., "MediaStation 5000: Integrating Video and Audio," IEEE Multimedia pp. 50-61 (Summer 1994) (51056DOC000901 - 912) | |
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| | BG | TMS320C80 (MVP) Master Processor User's Guide, Texas Instruments (March 1995) (51056DOC000925 - 957) | |
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| | BI | Bowers et al., "Development of a Low-Cost, High Performance, Multiuser Business Server System," Hewlett-Packard Journal, Vol. 46, No. 2, p. 79 (April 1995) (51056DOC059277 - 282) | |
| | BJ | Gwennap, "New PA-RISC Processor Decodes MPEG Video: Hewlett-Packard's PA-7100LC Uses New Instructions to Eliminate Decoder Chip," Microprocessor Report, pp. 16-17 (January 24, 1994) (51056DOC002140 - 141) | |
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| | BM | Lee et al., "Pathlength Reduction Features in the PA-RISC Architecture," IEEE COMPCON, pp. 129-35 (February 24-28, 1992) (51056DOC068161 - 167) | |
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| Examiner Signature |  | Dated Considered | 8/18/06 |
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| | | | | Examiner Name | CHAN, EDDIE P |
| Sheet | 3 | of | 10 | Attorney Docket Number | 43876-157 |

| U.S. PATENT DOCUMENTS | | | | | |
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| Examiner Initials* | Cite No. ¹ | Document Number | Publication Date MM-DD-YYYY | Name of Patentee or Applicant of Cited Document | Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear |
| | | Number-Kind Code ² (if known) | | | |
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| | | Country Code ³ Number ⁴ Kind Code ⁵ (if known) | | | | |
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| Examiner Signature | <i>Eun Ch</i> | Date Considered | 8/18/06 |
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| Examiner Name | CHAN, EDDIE P | | | | |
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| OTHER PRIOR ART -- NON PATENT LITERATURE DOCUMENTS | | | |
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| Examiner Initials* | Cite No. ¹ | Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate) title of the item (book, magazine, journal, serial, symposium, catalog, etc), date, page(s), volume-issued number(s), publisher, city and/or country where published. | T ² |
| EC | BX | Lee, "Realtime MPEG Video via Software Decompression on a PA-RISC Processor," IEEE, pp. 186-92 (1995) (51056DOC007345 - 351) | |
| | BY | Martin, "An Integrated Graphics Accelerator for a Low-Cost Multimedia Workstation," Hewlett-Packard Journal, Vol. 46, No. 2, pp. 43-50 (April 1995) (51056DOC072083 - 090) | |
| | BZ | Undy et al., "A Low-Cost Graphics and Multimedia Workstation Chip Set," IEEE Micro, pp. 10-22 (April 1994) (51056DOC002578 - 590) | |
| | CA | HP 9000 Series 700 Workstations Technical Reference Manual: Model 712, Hewlett-Packard (January 1994) (51056DOC068048 - 141) | |
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| | CD | Beckerle, "Overview of the StarT (*T) Multithreaded Computer," IEEE COMPCON '93, pp. 148-56 (February 22-26, 1993) (51056DOC002511 - 519) | |
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| | CI | Patterson, "Motorola Announces First High Performance Single Board Computer Using Superscalar Chip," Motorola Computer Group (Sept. 1992) (51056DOC069260 - 262) | |
| | CJ | M. Phillip, "Performance Issues for 88110 RISC Microprocessor," IEEE, 1992 (51056DOC008752 - 757) | |
| | CK | M. Smotherman et al., "Instruction Scheduling for the Motorola 88110," IEEE, 1993 (51056DOC008784 - 789) | |
| | CL | R. Mueller, "The MC88110 Instruction Sequencer," Northcon, 1992 (51056DOC009735 - 738) | |
| | CM | J. Arends, "88110: Memory System and Bus Interface," Northcon, 1992 (51056DOC009739 - 742) | |
| | CN | K. Pepe, "The MC88110's High Performance Load/Store Unit," Northcon, 1992 (51056DOC009743 - 747) | |
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| | CR | Knapp et al., "Bulk Storage Applications in the ILLIAC IV System," ILLIAC IV Document No. 250, Center for Advanced Computation, University of Illinois at Urbana-Champaign (August 3, 1971) (51056DOC001647 - 656) | |
| | CS | Awaga et al., "The μ VP 64-bit Vector Coprocessor: A New Implementation of High-Performance Numerical Computation," IEEE Micro, Vol. 13, No. 5, pp. 24-36 (October 1993) (51056DOC011921 - 934) | |
| EC | CT | Takahashi et al., "A 289 MFLOPS Single Chip Vector Processing Unit," The Institute of Electronics, Information, and Communication Engineers Technical Research Report, pp. 17-22 (May 28, 1992) (51056DOC009798 - 812) | |

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| OTHER PRIOR ART – NON PATENT LITERATURE DOCUMENTS | | | | | |
| Examiner Initials* | Cite No. ¹ | Include name of the author (in CAPITAL LETTERS); title of the article (when appropriate) title of the item (book, magazine, journal, serial, symposium, catalog, etc), date, page(s), volume-issued number(s), publisher, city and/or country where published. | | | T ² |
| EC | CU | Uchiyama et al., "The Gmicro/500 Superscalar Microprocessor with Branch Buffers," IEEE Micro (October 1993) (51056DOC000185 - 194) | | | |
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| | DA | Cornell, S-1 Uniprocessor Architecture SMA-4 (51056DOC056505 - 895) | | | |
| | DB | The S-1 Project, January 1985, S-1 Technical Staff (51056DOC057368 - 607) | | | |
| | DC | S-1 Architecture and Assembler SMA-4 Manual, December 19, 1979 (Preliminary Version) (51056DOC057608 - 918) | | | |
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| | DE | Wadleigh et al., "High Performance FFT Algorithms for the Convex C4/XA Supercomputer," Poster, Conference on Supercomputing, Washington, D.C. (November 1994) (51056DOC068618) | | | |
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| | DG | Saturn Assembly Level Performance Tuning Guide (January 1, 1994) (51056DOC017369 - 376) | | | |
| | DH | Saturn Differences from C Series (February 6, 1994) (51056DOC017150 - 157) | | | |
| | DI | "Convex Adds GaAs System," Electronic News (June 20, 1994) (51056DOC019388 - 390) | | | |
| | DJ | Convex Architecture Reference Manual, Sixth Edition (1992) (51056DOC016599 - 993) | | | |
| | DK | Convex Assembly Language Reference Manual, First Edition (December 1991) (51056DOC015996 - 6598) | | | |
| | DL | Convex Data Sheet C4/XA Systems, Convex Computer Corporation (51056DOC059235 - 236) | | | |
| | DM | Saturn Overview (November 12, 1993) (51056DOC017111 - 157) | | | |
| | DN | Convex Notebook containing various "Machine Descriptions" (51056DOC016994 - 7510) | | | |
| | DO | "Convex C4/XA Offer 1 GFLOPS from GaAs Uniprocessor," Computergram International, June 15, 1994 (51056DOC019383) | | | |
| | DP | Excerpt from Convex C4600 Assembly Language Manual, 1995 (51056DOC061441 - 443) | | | |
| | DQ | Excerpt from "Advanced Computer Architectures - A Design Space Approach," Chapter 14.8, "The Convex C4/XA System" (51056DOC061453 - 459) | | | |
| | DR | Convex C4600 Assembly Language Manual, First Edition, May 1995 (51056DOC064728 - 5299) | | | |
| EC | DS | Alvarez et al., "A 450MHz PowerPC Microprocessor with Enhanced Instruction Set and Copper Interconnect," ISSCC (February 1999) (51056DOC071393 - 394) | | | |

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| INFORMATION DISCLOSURE STATEMENT BY APPLICANT (use as many sheets as necessary) | | Application Number | 10/757 524 |
| | | Filing Date | January 15, 2004 |
| | | First Named Inventor | Craig C. HANSEN et al. |
| | | Group Art Unit | 2183 |
| | | Examiner Name | CHAN, EDDIE P |
| Sheet | 6 | of | 10 |
| | | Attorney Docket Number | 43876-157 |

OTHER PRIOR ART -- NON PATENT LITERATURE DOCUMENTS

| Examiner Initials* | Cite No. ¹ | Include name of the author (in CAPITAL LETTERS); title of the article (when appropriate); title of the item (book, magazine, journal, serial, symposium, catalog, etc), date, page(s), volume-issued number(s), publisher, city and/or country where published. | T ² |
|--------------------|-----------------------|---|----------------|
| EC | DT | Tyler et al., "AltiVec™: Bringing Vector Technology to the PowerPC™ Processor Family," IEEE (February 1999) (51056DOC071035 - 042) | |
| | DU | AltiVec™ Technology Programming Environments Manual (1998) (51056DOC071043 - 392) | |
| | DV | Atkins, "Performance and the i860 Microprocessor," IEEE Micro, pp. 24-27, 72-78 (October 1991) (5156DOC070655 - 666) | |
| | DW | Grimes et al., "A New Processor with 3-D Graphics Capabilities," NCGA '89 Conference Proceedings Vol. 1, pp. 275-84 (April 17-20, 1989) (5156DOC070711 - 717) | |
| | DX | Grimes et al., "The Intel i860 64-Bit Processor: A General-Purpose CPU with 3D Graphics Capabilities," IEEE Computer Graphics & Applications, pp. 85-94 (July 1989) (5156DOC070701 - 710) | |
| | DY | Kohn et al., "A 1,000,000 Transistor Microprocessor," 1989 IEEE International Solid-State Circuits Conference Digest of Technical Papers, pp. 54-55, 290 (February 15, 1989) (51056DOC072091 - 094) | |
| | DZ | Kohn et al., "A New Microprocessor with Vector Processing Capabilities," Electro/89 Conference Record, pp. 1-6 (April 11-13, 1989) (5156DOC070672 - 678) | |
| | EA | Kohn et al., "Introducing the Intel i860 64-Bit Microprocessor," IEEE Micro, pp. 15-30 (August 1989) (5156DOC070627 - 642) | |
| | EB | Kohn et al., "The i860 64-Bit Supercomputing Microprocessor," AMC, pp. 450-56 (1989) (51056DOC000330 - 336) | |
| | EC | Margulis, "i860 Microprocessor Architecture," Intel Corporation (1990) (51056DOC066610 - 7265 and 5156DOC069971 - 70626) | |
| | ED | Mittal et al., "MMX Technology Architecture Overview," Intel Technology Journal Q3 '97, pp. 1-12 (1997) (5156DOC070689 - 700) | |
| | EE | Patel et al., "Architectural Features of the i860 - Microprocessor RISC Core and On-Chip Caches," IEEE, pp. 385-90 (1989) (5156DOC070679 - 684) | |
| | EF | Rhodehamel, "The Bus Interface and Paging Units of the i860 Microprocessor," IEEE, pp. 380-84 (1989) (5156DOC070643 - 647) | |
| | EG | Perry, "Intel's Secret is Out," IEEE Spectrum, pp. 22-28 (April 1989) (5156DOC070648 - 654) | |
| | EH | Sit et al., "An 80 MFLOPS Floating-Point Engine in the Intel i860 Processor," IEEE, pp. 374-79 (1989) (51056DOC072095 - 101) | |
| | EI | i860 XP Microprocessor Data Book, Intel Corporation (May 1991) (51056DOC067266 - 427) | |
| | EJ | Paragon User's Guide, Intel Corporation (October 1993) (51056DOC068802 - 9097) | |
| | EK | N15 Micro Architecture Specification, dated April 29, 1991 (50781DOC000001 - 982) | |
| | EL | N15 External Architecture Specification, dated October 17, 1990 (51056DOC017511 - 551) | |
| | EM | N15 External Architecture Specification, dated December 14, 1990 (50781DOC001442 - 509) | |
| | EN | N15 Product Requirements Document, dated December 21, 1990 (50781DOC001420 - 441) | |
| | EO | N15 Product Implementation Plan, dated December 21, 1990 (50781DOC001794 - 851) | |
| | EP | N12 Performance Analysis document version 2.0, dated September 21, 1990 (51056DOC072992 - 73027) | |
| | EQ | Hansen, "Architecture of a Broadband MediaProcessor," IEEE COMPCON 96 (February 25-29, 1996) (MU0013276 - 283 and 51057DOC001825 - 831) | |
| EC | ER | Moussouris et al., "Architecture of a Broadband MediaProcessor," Microprocessor Forum (1995) (MU0048611 - 630) | |

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| | | | | Application Number | 10/757,524 |
| | | | | Filing Date | January 15, 2004 |
| | | | | First Named Inventor | Craig C. HANSEN, et al. |
| | | | | Group Art Unit | 2183 |
| | | | | Examiner Name | CHAN, EDDIE P |
| Sheet | 7 | of | 10 | Attorney Docket Number | 43876-157 |

| OTHER PRIOR ART – NON PATENT LITERATURE DOCUMENTS | | | |
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| Examiner Initials* | Cite No. ¹ | Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate) title of the item (book, magazine, journal, serial, symposium, catalog, etc), date, page(s), volume-issued number(s), publisher, city and/or country where published. | T ² |
| EC | ES | Amould et al., "The Design of Nectar: A Network Backplane for Heterogeneous Multicomputers," ACM (1989) (51056DOC020947 – 958) | |
| | ET | Bell, "Ultracomputers: A Teraflop Before Its Time," Communications of the ACM, (August 1992) pp. 27-47 (51056DOC020903 – 923) | |
| | EU | Broomell et al., "Classification Categories and Historical Development of Circuit Switching Topologies," Computing Surveys, Vol. 15, No. 2, pp 95-133 (June 1983) (51056DOC003002 – 040) | |
| | EV | Culler et al., "Analysis of Multithreaded Microprocessors Under Multiprogramming," Report No. UCB/CSD 92/687 (May 1992) (51056DOC069283 – 300) | |
| | EW | Donovan et al., "Pixel Processing in a Memory Controller," IEEE Computer Graphics and Applications, pp. 51-61 (January 1995) (51056DOC059635 – 645) | |
| | EX | Fields, "Hunting for Wasted Computing Power: New Software for Computing Networks Puts Idle PC's to Work," Univ. of Wisconsin-Madison, http://www.cs.wisc.edu/condor/doc/WiscIdeas.html (1993) (51056DOC068704 – 711) | |
| | EY | Geist, "Cluster Computing: The Wave of the Future?," Oak Ridge National Laboratory, 84OR21400 (May 30, 1994) (51056DOC020924 – 929) | |
| | EZ | Ghafoor, "Systolic Architecture for Finite Field Exponentiation," IEEE Proceedings, Vol. 136 (November 1989) (51056DOC071700 – 705) | |
| | FA | Giloi, "Parallel Programming Models and their Interdependence with Parallel Architectures," IEEE Proceedings (September 1993) (51056DOC071792 – 801) | |
| | FB | Hwang et al., "Parallel Processing for Supercomputers and Artificial Intelligence," (1993) (51056DOC059663 – 673) | |
| | FC | Hwang, "Advanced Computer Architecture: Parallelism, Scalability, Programmability," (1993) (51056DOC059656 – 662) | |
| | FD | Hwang, "Computer Architecture and Parallel Processing," McGraw Hill (1984) (51056DOC070166 – 1028) | |
| | FE | Iwaki, "Architecture of a High Speed Reed-Solomon Decoder," IEEE Consumer Electronics (January 1994) (51056DOC071687 – 694) | |
| | FF | Jain et al., "Square-Root, Reciprocal, SINE/COSINE, ARCTANGENT Cell for Signal and Image Processing," IEEE ICASSP '94, pp. II-521 – II-524 (April 1994) (51056DOC003070 – 073) | |
| | FG | Laudon et al., "Architectural and Implementation Tradeoffs in the Design of Multiple-Context Processors," Technical Report: CSL-TR-92-523 (May 1992) (51056DOC069301 – 327) | |
| | FH | Lawrie, "Access and Alignment of Data in an Array Processor," IEEE Transactions on Computers, Vol. C-24, No. 12, pp. 99-109 (December 1975) (51056DOC002932 – 942) | |
| | FI | Le-Ngoc, "A Gate-Array-Based Programmable Reed-Solomon Codec: Structure-Implementation-Applications," IEEE Military Communications (1990) (51056DOC071695 – 699) | |
| | FJ | Litzkow et al., "Condor – A Hunter of Idle Workstations," IEEE (1988) (51056DOC068712 – 719) | |
| | FK | Markstein, "Computation of Elementary Functions on the IBM RISC System/6000 Processor," IBM J. Res. Develop., Vol. 34, No. 1, pp 111-19 (January 1990) (51056DOC059620 – 628) | |
| | FL | Nienhaus, "A Fast Square Rooting Combining Algorithmic and Table Lookup Techniques," IEEE Proceedings Southeastcon, pp. 1103-05 (1989) (51056DOC061469 – 471) | |
| EC | FM | Renwick, "Building a Practical HIPPI LAN," IEEE, pp. 355-60 (1992) (51056DOC020937 – 942) | |


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| Examiner Signature | <i>Eui PL</i> | Dated Considered | 8/18/06 |
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| | | | | Filing Date | January 15, 2004 |
| | | | | First Named Inventor | Craig C. HANSEN, et al. |
| | | | | Group Art Unit | 2183 |
| | | | | Examiner Name | CHAN, EDDIE P |
| Sheet | 8 | of | 10 | Attorney Docket Number | 43876-157 |

| OTHER PRIOR ART -- NON PATENT LITERATURE DOCUMENTS | | | | |
|--|-----------------------|--|----------------|--|
| Examiner Initials* | Cite No. ¹ | Include name of the author (in CAPITAL LETTERS); title of the article (when appropriate) title of the item (book, magazine, journal, serial, symposium, catalog, etc), date, page(s), volume-issued number(s), publisher, city and/or country where published. | T ² | |
| EC | FN | Rohrbacher et al., "Image Processing with the Staran Parallel Computer," IEEE Computer, Vol. 10, No. 8, pp. 54-59 (August 1977) (reprinted version pp. 119-124) (51056DOC002943 - 948) | | |
| | FO | Ryne, "Advanced Computers and Simulation," IEEE, pp. 3229-33 (1993) (51056DOC020883 - 887) | | |
| | FP | Siegel, "Interconnection Networks for SIMD Machines," IEEE Computer, Vol. 12, No. 6 (June 1979) (reprinted version pp. 110-118) (51056DOC002949 - 957) | | |
| | FQ | Singh et al., "A Programmable HIPPI Interface for a Graphics Supercomputer," ACM (1993) (51056DOC020888 - 896) | | |
| | FR | Smith, "Cache Memories," Computing Surveys, Vol. 14, No. 3 (September 1982) (51056DOC071586 - 643) | | |
| | FS | Tenbrink et al., "HIPPI: The First Standard for High-Performance Networking," Los Alamos Science (1994) (51056DOC020943 - 946) | | |
| | FT | Tolmie, "Gigabit LAN Issues: HIPPI, Fibre Channel, or ATM," Los Alamos National Laboratory Report No. LA-UR 94-3994 (1994) (51056DOC046599 - 609) | | |
| | FU | Tolmie, "HIPPI: It's Not Just for Supercomputers Anymore," Data Communications (May 8, 1995) (51056DOC071802 - 809) | | |
| | FV | Toyokura et al., "A Video DSP with a Macroblock-Level-Pipeline and a SIMD Type Vector-Pipelined Architecture for MPEG2 CODEC," ISSCC94, Section 4, Video and Communications Signal Processors, Paper WP 4.5, pp. 74-75 (1994) (51056DOC003659 - 660) | | |
| | FW | Tullsen et al., "Simultaneous Multithreading: Maximizing On-Chip Parallelism," Proceedings of the 22nd Annual International Symposium on Computer Architecture (June 1995) (51056DOC071434 - 443) | | |
| | FX | Turcotte, "A Survey of Software Environments for Exploiting Networked Computing Resources," Engineering Research Center for Computational Field Simulation (June 11, 1993) (51056DOC069098 - 256) | | |
| | FY | Vetter et al., "Network Supercomputing: Connecting Cray Supercomputers with a HIPPI Network Provides Impressively High Execution Rates," IEEE Network (May 1992) (51056DOC020930 - 936) | | |
| | FZ | Wang, "Bit-Level Systolic Array for Fast Exponentiation in GF(2m)," IEEE Transactions on Computers, Vol. 43, No. 7, pp. 838-41 (July 1994) (51056DOC059407 - 410) | | |
| | GA | Ware et al., "64 Bit Monolithic Floating Point Processors," IEEE Journal of Solid-State Circuits, Vol. Sc-17, No. 5 (October 1982) (51056DOC059646 - 655) | | |
| | GB | "Bit Manipulator," IBM Technical Disclosure Bulletin, pp. 1575-76 (November 1974) (51056DOC010205 - 206) | | |
| | GC | Finney et al., "Using a Common Barrel Shifter for Operand Normalization, Operand Alignment and Operand Unpack and Pack in Floating Point," IBM Technical Disclosure Bulletin, pp. 699-701 (July 1986) (51056DOC010207 - 209) | | |
| | GD | Data General AViiON AV500, 550, 4500 and 5500 Servers | | |
| | GE | Jovanovic et al., "Computational Science: Advances Through Collaboration," San Diego Supercomputer Center Science Report (1993) (51056DOC068769 - 779) | | |
| | GF | High Performance Computing and Communications: Toward a National Information Infrastructure, National Science Foundation (NSF) (1994) (51056DOC068791 - 801) | | |
| | GG | National Coordination Office for High Performance Computing and Communications, "High Performance Computing and Communications: Foundation for America's Information Future" (1996) (51056DOC072102 - 243) | | |
| EC | GH | Wilson, "The History of the Development of Parallel Computing," http://ei.cs.vt.edu/~history/Parallel.html (51056DOC068720 - 757) | | |


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| EC | GI | IEEE Standard 754 (ANSI/IEEE Std. 754-1985) (51056DOC019304 - 323) | |
| | | Original Complaint for Patent Infringement, <i>MicroUnity Systems Engineering, Inc. v. Dell, Inc. f/k/a/ Dell Computer and Intel Corporation</i> ; C.A. NO. 2-04CV-120; In the United States District Court of the Eastern District of Texas, Marshall Division filed March 26, 2004 | |
| | GJ | Amended Complaint for Patent Infringement, <i>MicroUnity Systems Engineering, Inc. v. Dell, Inc. f/k/a/ Dell Computer and Intel Corporation</i> ; C.A. NO. 2-04CV-120; In the United States District Court of the Eastern District of Texas, Marshall Division filed April 20, 2004 | |
| | GK | Expert Witness Report of Richard A. Killworth, Esq., <i>MicroUnity Systems Engineering, Inc. v. Dell, Inc. f/k/a/ Dell Computer and Intel Corporation</i> ; C.A. NO. 2-04CV-120; In the United States District Court of the Eastern District of Texas, Marshall Division filed September 12, 2005 | |
| | GL | Declaration and Expert Witness Report of Ray Mercer Regarding Written Description and Enablement Issues, <i>MicroUnity Systems Engineering, Inc. v. Dell, Inc. f/k/a/ Dell Computer and Intel Corporation</i> ; C.A. NO. 2-04CV-120; In the United States District Court of the Eastern District of Texas, Marshall Division filed September 12, 2005 | |
| | GM | Corrected Expert Report of Dr. Stephen B. Wicker Regarding Invalidity of U.S. Patent Nos. 5,742,840; 5,794,060; 5,764,061; 5,809,321; 6,584,482; 6,643,765; 6,725,356 and Exhibits A-I; <i>MicroUnity Systems Engineering, Inc. v. Dell, Inc. f/k/a/ Dell Computer and Intel Corporation</i> ; C.A. NO. 2-04CV-120; In the United States District Court of the Eastern District of Texas, Marshall Division filed October 6, 2005 | |
| | GN | Defendants Intel and Dell's Invalidity Contentions with Exhibits A-G; <i>MicroUnity Systems Engineering, Inc. v. Dell, Inc. f/k/a/ Dell Computer and Intel Corporation</i> ; C.A. NO. 2-04CV-120; In the United States District Court of the Eastern District of Texas, Marshall Division filed September 19, 2005 | |
| | GO | Defendants Dell Inc. and Intel Corporation's Identification of Prior Art Pursuant to 35 USC §282; <i>MicroUnity Systems Engineering, Inc. v. Dell, Inc. f/k/a/ Dell Computer and Intel Corporation</i> ; C.A. NO. 2-04CV-120; In the United States District Court of the Eastern District of Texas, Marshall Division filed October 7, 2005 | |
| | GP | Request for <i>Inter Partes</i> Reexamination Under 35 USC §§ 311-318 of U.S. Patent No. 6,725,356 filed on June 28, 2005 | |
| | GQ | Deposition of Larry Menneimer on September 22, 2005 and Exhibit 501; <i>MicroUnity Systems Engineering, Inc. v. Dell, Inc. f/k/a/ Dell Computer and Intel Corporation</i> ; C.A. NO. 2-04CV-120; In the United States District Court of the Eastern District of Texas, Marshall Division | |
| | GR | Deposition of Leslie Kohn on September 22, 2005; <i>MicroUnity Systems Engineering, Inc. v. Dell, Inc. f/k/a/ Dell Computer and Intel Corporation</i> ; C.A. NO. 2-04CV-120; In the United States District Court of the Eastern District of Texas, Marshall Division | |
| | GS | Intel Article, "Intel Announces Record Revenue of 9.96 Billion", October 18, 2005 | |
| | GT | The New York Times Article, "Intel Posts 5% Profit Increase on Demand for Notebook Chips", October 19, 2005 | |
| | GU | USA Today Article, "Intel's Revenue Grew 18% In Robust Quarter for Tech", October 19, 2005 | |
| | GV | The Wall Street Journal Article, "Intel Says Chip Demand May Slow", October 19, 2005 | |
| EC | GW | The New York Times Article, "Intel Settlement Revives A Fading Chip Designer", October 20, 2005 | |

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| INFORMATION DISCLOSURE CITATION IN AN APPLICATION | | | | | | ATTY. DOCKET NO. 043876-0157 | | SERIAL NO. 10/757,524 | | | |
| (PTO-1449) | | | | | | APPLICANT Craig HANSEN, et al. | | | | | |
| | | | | | | FILING DATE January 15, 2004 | | GROUP 2183 | | | |
| U.S. PATENT DOCUMENTS | | | | | | | | | | | |
| EXAMINER'S INITIALS | | CITE NO. | Document Number Number-Kind Code(s) (if known) | | Publication Date MM-DD-YYYY | | Name of Patentee or Applicant of Cited Document | | Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear | | |
| CC | | A | US | 6,643,765 | 11-04-2003 | | Hansen et al. | | | | |
| CC | | B | US | 6,725,356 | 04-20-2004 | | Hansen et al. | | | | |
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| FOREIGN PATENT DOCUMENTS | | | | | | | | | | | |
| EXAMINER'S INITIALS | | CITE NO. | Foreign Patent Document Country Codes - Number - Kind Codes (if known) | | Publication Date MM-DD-YYYY | | Name of Patentee or Applicant of Cited Document | | Pages, Columns, Lines Where Relevant Figures Appear | Translation Yes No | |
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| OTHER ART (Including Author, Title, Date, Pertinent Pages, Etc.) | | | | | | | | | | | |
| EXAMINER'S INITIALS | | CITE NO. | Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published. | | | | | | | | |
| CC | | C | MARKOFF, JOHN, "Intel Settlement Revives a Fading Chip Designer," The New York Times (10-20-2005) | | | | | | | | |
| CS | | D | Intel Press Release, "Intel Announces Record Revenue of \$9.98 Billion," Santa Clara, CA, 10-18-2005 | | | | | | | | |
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*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

1 Applicant's unique citation designation number (optional). 2 Applicant is to place a check mark here if English language Translation is attached.